

# Jameal F. Samhouri

## Curriculum Vitae

Northwest Fisheries Science Center, NOAA Fisheries  
2725 Montlake Blvd. E.  
Seattle, WA 98112

Conservation Biology Division  
[jameal.samhouri@noaa.gov](mailto:jameal.samhouri@noaa.gov)  
Phone: (206) 302-1740

### EDUCATION

PhD, University of California Los Angeles, Dept. of Ecology & Evolutionary Biology 2007  
AB (High Honors), Princeton University, Dept. of Ecology & Evolutionary Biology 2000

### PROFESSIONAL POSITIONS

#### Research

Supervisory Research Fish Biologist, Northwest Fisheries Science Center,  
NOAA Fisheries 2015-present

Research Fisheries Biologist, Northwest Fisheries Science Center, NOAA Fisheries 2010-2014

Postdoctoral researcher, UC Santa Cruz 2010

Postdoctoral researcher, Northwest Fisheries Science Center, NOAA Fisheries 2007-2010

Doctoral student, Department of Ecology & Evolutionary Biology, UCLA 2002-2007

Research Assistant, UCLA 2001-2002

#### Teaching

Lecturer, Northeastern University Three Seas Program 2013-2015  
*Biology and Ecology of Coral Reef Fishes (Panama)*

Teaching Assistant, UC Santa Barbara 2006  
*Biology of Fishes*

Teaching Assistant, UCLA 2001-2003  
*Introduction to Marine Science, Marine Field Ecology (Hawaii)*

Teaching Assistant, University of Rhode Island 2000-2001  
*Introductory Zoology, Human Anatomy*

### PUBLICATIONS

39. Marshall, K. N., A. C. Stier, **J. F. Samhouri**, E. J. Ward. 2015. Conservation challenges of predator recovery. *Conservation Letters*. DOI: 10.1111/conl.12186

38. Selkoe, K. A., T. Blenckner, M.R. Caldwell, L. Crowder, A. Erickson, T. Essington, J. Estes, R. Fujita, B.S. Halpern, M. Hunsicker, C.V. Kappel, R. Kelly, J.N. Kittinger, P.S. Levin, J. Lynham, M. Mach, R. Martone, L. Mease, A. Salomon, **J.F. Samhouri**, C. Scarborough, A. Stier, C. White, and J. Zedler. *In press*. Principles for managing marine ecosystems prone to tipping points. *Ecosystem Health*

and Sustainability.

37. Boldt, J., R. Martone, **J.F. Samhouri**, R.I. Perry, S. Itoh, I.K. Chung, M. Takahashi, N. Yoshie. Developing ecosystem indicators for responses to multiple stressors. *Progress in Oceanography* 27: 116-133.
36. Shelton, A.O., **J.F. Samhouri**, A.C. Stier, P.S. Levin. 2014. Assessing trade-offs to inform ecosystem-based fisheries management of forage fish. *Nature Scientific Reports* 4: 7110.
35. Tallis, H., J. Lubchenco, and 238 co-signatories including **J. F. Samhouri**. 2014. A call for inclusive conservation. *Nature* 515: 27-28.
34. Andrews, K.A., G.D. Williams, **J.F. Samhouri**, K.N. Marshall, V. Gertseva, P.S. Levin. 2014. The legacy of a crowded ocean: indicators, status, and trends of anthropogenic pressures in the California Current ecosystem. *Environmental Conservation*. doi: 10.1111/faf.12061.
33. **Samhouri, J.F.**, S. Kim, C.I. Zhang, M. Fogarty. 2014. Marine ecosystem-based management in temperate systems. Pages 325-367 in *Marine ecosystem-based management*. M.J. Fogarty and J.J. McCarthy, editors. Vol. 16 of *The Sea*. Harvard University Press, Boston.
32. White, J.W., A. Rassweiler, **J.F. Samhouri**, A.C. Stier, C. White. 2014. Ecologists should not use statistical significance tests to interpret simulation model results. *Oikos* 123: 385-388.
31. Halpern, B.S., C. Longo, C. Scarborough, D. Hardy, B.D. Best, S.C. Doney, S.K. Katona, K.L. McLeod, A.A. Rosenberg, and **J.F. Samhouri**. 2014. Assessing the health of the US west coast with a regional-scale application of the Ocean Health Index. *PLoS ONE* 9: e98995
30. Thorson, J.T., J. Cope, K.M. Kleisner, **J.F. Samhouri**, A.O. Shelton, E.J. Ward. 2013. Giant shoulders 15 years later: lessons, challenges, and guidelines in fisheries meta-analysis. *Fish and Fisheries*. doi: 10.1111/faf.12061.
29. Kleisner, K. M., C. Longo, M. Coll, B. S. Halpern, D. Hardy, S. K. Katona, F. Le Manach, D. Pauly, A. A. Rosenberg, **J. F. Samhouri**, C. Scarborough, U. R. Sumaila, R. Watson, and D. Zeller. 2013. Exploring patterns of seafood provision revealed in the global Ocean Health Index. *AMBIO* 42: 910-922.
28. **Samhouri, J. F.**, A. J. Haupt, P. S. Levin, J. S. Link, and R. Shuford. 2013. Lessons learned from developing integrated ecosystem assessments to inform marine ecosystem-based management in the USA. *ICES Journal of Marine Science: Journal du Conseil*: fst141.
27. Tolimieri, N., **J. F. Samhouri**, V. Simon, B. E. Feist, and P. S. Levin. 2013. Linking the Trophic Fingerprint of Groundfishes to Ecosystem Structure and Function in the California Current. *Ecosystems* 16: 1216–1229.
26. Leslie, H. M., E. Goldman, K. L. Mcleod, L. Sievanen, H. Balasubramanian, R. Cudney-Bueno, A. Feuerstein, N. Knowlton, K. Lee, R. Pollnac, and **J.F. Samhouri**. 2013. How Good Science and Stories Can Go Hand-In-Hand. *Conservation Biology* 27: 1126-1129.
25. Halpern, B. S., S. D. Gaines, K. Kleisner, C. Longo, D. Pauly, A. A. Rosenberg, **J. F. Samhouri**, and D. Zeller. 2013. Halpern et al. reply. *Nature* 495: E7.
24. Halpern, B. S., C. Longo, K. L. McLeod, R. Cooke, B. Fischhoff, **J. F. Samhouri**, C. Scarborough.

2013. Elicited preferences for components of ocean health in the California Current. *Marine Policy* 42: 68-73.
23. **Samhouri, J.F.**, S. Lester, E.R. Selig, B.S. Halpern, M.J. Fogarty, C. Longo, K.L. McLeod. 2012. Sea sick? Setting targets for ocean health and ecosystem services. *Ecosphere* 3(5): 41. <http://dx.doi.org/10.1890/ES11-00366.1>
22. **Samhouri, J.F.** and P.S. Levin. 2012. Linking land- and sea-based activities to risk in coastal ecosystems. *Biological Conservation* 145:118-129. doi: 10.1016/j.biocon.2011.10.021
21. Arkema, K.K. and **Samhouri, J.F.** 2012. Linking ecosystem health and services to inform marine ecosystem-based management. *Advancing an Ecosystem Approach in the Gulf of Maine*. R. Stephenson, J. Annala, J. Runge, and M. Hall-Arber, editors. American Fisheries Society Symposium Special Volume 79: 9-25.
20. Halpern, B. S., C. Longo, D. Hardy, K. L. McLeod, **J. F. Samhouri**, S. K. Katona, K. Kleisner, S. E. Lester, J. O'Leary, M. Ranelletti, A. A. Rosenberg, C. Scarborough, E. R. Selig, B. D. Best, D. R. Brumbaugh, F. S. Chapin, L. B. Crowder, K. L. Daly, S. C. Doney, C. Elfes, M. J. Fogarty, S. D. Gaines, K. I. Jacobsen, L. B. Karrer, H. M. Leslie, E. Neeley, D. Pauly, S. Polasky, B. Ris, K. St Martin, G. S. Stone, U. R. Sumaila, and D. Zeller. 2012. An index to assess the health and benefits of the global ocean. *Nature* 488: 615-620.
19. James, C.A., J. Kershner, **J.F. Samhouri**, S. O'Neill, and P.S. Levin. 2012. A methodology for evaluating and ranking water quantity indicators in support of ecosystem-based management. *Environmental Management* 49: 703-719. doi: 10.1007/s00267-012-9808-7
18. **Samhouri, J.F.**, P.S. Levin, C.A. James, J. Kershner, G. Williams. 2011. Using existing scientific capacity to set targets for ecosystem-based management: a Puget Sound case study. *Marine Policy* 35: 508-518. doi: 10.1016/j.marpol.2010.12.002.
17. Andrews, K.S., N. Tolimieri, G.D. Williams, **J.F. Samhouri**, C.J. Harvey, and P.S. Levin. 2011. Comparison of fine-scale acoustic monitoring using home range size of a demersal fish: VRAP versus VPS. *Marine Biology* 158: 2377-2387.
16. Kershner, J., **J.F. Samhouri**, C.A. James, and P.S. Levin. 2011. Selecting indicator portfolios for marine species and food webs: a Puget Sound case study. *PLoS One* 6(10): e25248. doi:10.1371/journal.pone.0025248.
15. White, J.W. and **J.F. Samhouri**. 2011. Oceanographic coupling across three trophic levels shapes source-sink dynamics in marine metacommunities. *Oikos* 120(8): 1151-1164. (Featured in Faculty of 1000)
14. Ainsworth, C.H., **J. F. Samhouri**, D.S. Busch, W. Cheung, J. Dunne, and T. Okey. 2011. Potential impacts of climate change on Northeast Pacific marine foodwebs and fisheries. *ICES Journal of Marine Science* 68: 1217-1229. doi: 10.1093/icesjms/fsr043.
13. Botsford, L., M. Holland, **J.F. Samhouri**, J.W. White, and A. Hastings. 2011. Importance of age structure in models of the response of upper trophic levels to fishing and climate change. *ICES Journal of Marine Science* 68: 1270-1283. doi:10.1093/icesjms/fsr042.
12. **Samhouri, J.F.**, P.S. Levin, C.H. Ainsworth. 2010. Identifying thresholds for ecosystem-based

management. PLoS One 5: e8907.

11. Eakin, C.M., J.A. Morgan, and others, including **J.F. Samhouri**. 2010. Caribbean corals in crisis: record thermal stress, bleaching, and mortality in 2005. PLoS One 5: e13969.
10. White, J.W., **J.F. Samhouri**, A.C. Stier, C.L. Wormald, S.L. Hamilton, S.A. Sandin. 2010. Synthesizing mechanisms of density dependence in reef fishes: behavior, habitat configuration, and observation scale. Ecology 91(7): 1949-1961.
9. Levin, P.S., M. Damon, **J.F. Samhouri**. 2010. Developing meaningful marine ecosystem indicators in the face of a changing climate. Stanford Journal of Law, Science, and Policy 1: 36-48.
8. **Samhouri, J.F.**, P.S. Levin, C.J. Harvey. 2009a. Quantitative evaluation of marine ecosystem indicator performance using food web models. Ecosystems 12: 1283-1298.
7. **Samhouri, J.F.**. 2009. Food supply influences offspring provisioning but not density-dependent fecundity in a marine fish. Ecology 90(12): 3478-3488.
6. **Samhouri, J.F.**, M.A. Steele, G.E. Forrester. 2009b. Intercohort competition drives density dependence and selective mortality in a marine fish. Ecology 90(4): 1009-1020.
5. **Samhouri, J.F.**, R.R. Vance, G.E. Forrester, M.A. Steele. 2009c. Musical chairs mortality functions: density-dependent deaths caused by competition for unguarded refuges. Oecologia 160(2): 257-265.
4. Forrester, G.E., M.A. Steele, **J.F. Samhouri**, B. Evans, R.R. Vance. 2008a. Spatial density dependence scales up but does not produce temporal density dependence in a coral reef fish. Ecology 89(11): 2980-2985.
3. Forrester, G.E., M.A. Steele, **J.F. Samhouri**, R.R. Vance. 2008b. Settling reef fish discriminate among habitats at large, but not small, spatial scales. Limnology and Oceanography 53(5): 1956-1962.
2. Vermeij, M.J.A., S.A. Sandin, **J.F. Samhouri**. 2007. Local habitat distribution determines the relative frequency and interbreeding potential for two Caribbean coral morphospecies. Evolutionary Ecology 21: 27-47.
1. **Samhouri, J.F.** and S.A. Sandin. 2006. Can density-dependent fecundity regulate coral reef fish populations? Proceedings of the 10<sup>th</sup> International Coral Reef Symposium 1: 122-131.

*Papers in review*

**Samhouri, J. F.**, A. O. Shelton, G. D. Williams, B. E. Feist, S. Hennessey, K. K. Bartz, J. L. O'Donnell, M. B. Sheer, P. S. Levin. How much city is too much city? Biodiversity and ecosystem functioning along an urban gradient. Journal of Applied Ecology.

Shelton, A.O., J.L. O'Donnell, **J.F. Samhouri**, N. Lowell, G.D. Williams, R.P. Kelly. A framework for inferring biological communities from environmental DNA. Ecological Applications.

Stier, A. C., **J. F. Samhouri**, K. N. Marshall, E. J. Ward, M. Novak, P. S. Levin. Ecosystem Context and Historical Contingency in Apex Predator Recoveries. Biological Conservation.

Stier, A. C., **J. F. Samhouri**, S. Gray, R. G. Martone, M. Mach, B. S. Halpern, C. Kappel, C. Scarborough, P. S. Levin. Expert opinion and the potential for conservation conflict. Conservation

Letters.

Tallis, H., G. Bratman, **J. F. Samhouri**, J. Fargione. Student test scores more strongly associated with urban trees than poverty. Proceedings of the National Academies of Science.

*White papers and technical reports*

McClure, M. M., J. H. Anderson, K. S. Andrews, M. A. Bellman, B. E. Feist, C. Greene, P. S. Levin, **J. F. Samhouri**, A. O. Shelton, N. Tolimieri, W. W. Wakefield, C. Whitmire, M. M. Yoklavich. *In press*. Groundfish Essential Fish Habitat Synthesis: A Report to the Pacific Fishery Management Council. U.S. Dept. of Commerce, NOAA Tech. Memo., 110 p.

**Samhouri, J.F.**, Williams, G.D., Brodeur, R., and C. Barceló. 2014. Evaluation of Indicators for Ecological Integrity Using the Bonneville Power Administration Data Set. Appendix to: Ecological Integrity, In: Harvey, C. J., N. Garfield, P.S. Levin, B.K. Wells, M.B Sheer and G.D. Williams (Eds). 2014. California Current Integrated Ecosystem Assessment: Phase III Report. Available from <http://www.noaa.gov/iea/CCIEA-Report/index> (September 2014).

**Samhouri, J.F.**, Williams, G.D., Brodeur, R., and C. Barceló. 2014. Evaluation of Indicators for Coastal Pelagic Species Using the Bonneville Power Administration Data Set. Appendix to: Coastal pelagics and forage fishes, In: Harvey, C. J., N. Garfield, P.S. Levin, B.K. Wells, M.B Sheer and G.D. Williams (Eds). 2014. California Current Integrated Ecosystem Assessment: Phase III Report. Available from <http://www.noaa.gov/iea/CCIEA-Report/index> (September 2014).

**Samhouri, J.F.**, Earl, L., Barceló, C., Bograd, S., Brodeur, R., Cianelli, L., Hazen, E., Kaplan, I., Rykaczewski, R., Dickinson, M., and G.D. Williams. 2014. Assessment of risk due to climate change for coastal pelagic species in the California Current marine ecosystem. In: Harvey, C. J., N. Garfield, P.S. Levin, B.K. Wells, M.B Sheer and G.D. Williams (Eds). 2014. California Current Integrated Ecosystem Assessment: Phase III Report. Available from <http://www.noaa.gov/iea/CCIEA-Report/index> (September 2014).

Levin PS, Schwing F(eds.), from contributions by Ainsworth C, Andrews K, Bograd SJ, Burden M, Busch S, Cheung W, Dunne J, Francis T, Fulton E, Grimes C, Hazen EL, Horne P, Huff D, Kaplan I, Levin PS, Lindley S, Okey T, **Samhouri J**, Schroeder I, Schwing F, Sydeman WJ, Thompson SA, Tolimieri N, Wells B, Williams G. 2011. Technical background for an integrated ecosystem assessment of the California Current: Ecosystem health, salmon, groundfish, and green sturgeon. U.S. Dept. Commer., NOAA Tech. Memo. NMFS-NWFSC-XX.

Harvey, C.J., K.K Bartz, J. Davies, T.B. Francis, T.P. Good, A.D. Guerry, B. Hanson, K.K. Holsman, J. Miller, M.L. Plummer, J.C.P. Reum, L.D. Rhodes, C.A. Rice, **J.F. Samhouri**, G.D. Williams, N. Yoder, P.S. Levin and M.H. Ruckelshaus. 2010. A mass-balance model for evaluating food web structure and community-scale indicators in the Central Basin of Puget Sound. NOAA Tech. Memo. NMFS-NWFSC-106.

Levin, P.S., A. James, J. Kershner, S. O'Neill, T. Francis, **J. F. Samhouri**, C. Harvey, D. Schindler, M. Brett. 2010. The Puget Sound Ecosystem: what is our desired future and how do we measure progress along the way? Chapter 1A in The Puget Sound Science Update.

<http://pugetsoundscienceupdate.com/pmwiki.php?n=Chapter1a.Chapter1a>

**Samhouri, J.F.**, P.S. Levin, C.H. Ainsworth. 2009. Using ecological thresholds to inform targets for marine ecosystem-based management. In: Palomares, M.L.D., Morissette, L., Cisneros-Montemayor, A., Varkey, D., Coll, M., Piroddi, C. (eds.), Ecopath 25 Years Conference Proceedings: Extended Abstracts,

pp. 117. Fisheries Centre Research Reports 17(3). Fisheries Centre, University of British Columbia [ISSN 1198-6727]. 165 p.

Costello, C., P. Levin, S. Lester, S. Gaines, B. Halpern, M. Fogarty and **J. Samhouri**. 2008. Scientific frameworks to inform ecosystem-based management for the oceans. White paper prepared for California Current Ecosystem-Based Management Initiative Meeting: Advancing the Science for Ecosystem-Based Management on the U.S. West Coast, Santa Cruz, CA, Jan. 30-31, 2008.

**Samhouri, J.F.** and K.K. Arkema. 2007. Potential impacts of anthropogenic climate change on the terrestrial and marine biodiversity of Madagascar. Report to World Wildlife Fund and Conservation International. 22 pp.

White, J.W., **J.F. Samhouri**, C.D. Stallings. 2006. Reply: Interspecific communicative and coordinated hunting between groupers and giant moray eels in the Red Sea. PLOS Biology 4(12): e431  
doi:10.1371/journal.pbio.0040431.

Vance R.R., R.A. Ambrose, S.S. Anderson, M. Anghera, C. Everitt, F. Lai, **J.F. Samhouri**. 2002. Salt marsh restoration in Mugu Lagoon sewage ponds: 2000 progress report. Part B: metals. Report to the Naval Base Ventura County.

#### *Popular press*

Halpern, B.S., **J.F. Samhouri**, and K.O. McLeod Is the Global Ocean Healthy? We Can Answer That Now. 2012. Pacific Standard, 15 August 2012 <http://www.psmag.com/environment/is-the-worlds-ocean-healthy-we-have-an-answer-44612/>

**Samhouri, J.F.**, K.O. McLeod, and B.S. Halpern. Ocean Health Index: The Audacity of Necessity. 2011. Miller-McCune, 13 December 2011 <http://www.miller-mccune.com/environment/ocean-health-index-the-audacity-of-necessity-38304/>

McLeod, K.O., **J.F. Samhouri**, B.S. Halpern. Ocean Health Index accounts for human benefits. 2011. Miller-McCune, 8 November 2011. <http://www.miller-mccune.com/environment/ocean-health-index-accounts-for-human-benefits-37657/>

Halpern, B.S., K.O. McLeod, and **J.F. Samhouri**. Three reasons for creating a single Ocean Health Index. 2011. Miller-McCune, 11 October 2011. <http://www.miller-mccune.com/environment/three-reasons-for-creating-a-single-ocean-health-index-36824/>

**Samhouri, J.F.**, B.S Halpern, and K.O. McLeod. Setting targets in the Ocean Health Index. 2011. Miller-McCune, 13 September 2011. <http://www.miller-mccune.com/environment/setting-targets-in-the-ocean-health-index-36046/>

K.O. McLeod, B.S. Halpern, and **J.F. Samhouri**. Ocean Index Navigates Between the Politic, the Pristine. 2011. Miller-McCune, 8 August 2011. <http://www.miller-mccune.com/environment/ocean-index-navigates-between-the-politic-the-pristine-34757/>

Halpern, B.S., K.O. McLeod, and **J.F. Samhouri**. The Making of the Ocean Health Index. 2011. Miller-McCune, 12 July 2011. <http://www.miller-mccune.com/environment/the-making-of-the-ocean-health-index-33674/>

## FELLOWSHIPS AND AWARDS

ICES-PICES Early Career Conference Best Talk Award	2012
UCLA Dissertation Year Fellowship	2006-2007
Western Society of Naturalists Best Student Paper Award	2006
UCLA University Fellowship	2005-2006
NSF Graduate Research Fellowship	2002-2005
Western Society of Naturalists Best Student Paper Award	2003

## GRANTS

Ecosystem thresholds and indicators for marine spatial planning, Gordon and Betty Moore Foundation, \$3 million/\$635K	2013-2016
Using habitat-specific, spatial demographic information to improve stock assessments of lingcod, \$103K	2015
Social-ecological complexity and adaptation in marine systems, NSF CNH, \$1.5 million/\$0	2012-2015
Using habitat-specific, spatial demographic information to improve stock assessments of groundfishes, NOAA Habitat Assessment Improvement Program, \$102K	2015
Improving ecosystem-based fisheries management and integrated ecosystem assessments by linking long-term climatic forcing and the pelagic nekton community in the northern California Current, NOAA FATE, \$137K	2012-2013
Comparative approaches to predicting the consequences of an impending re-invasion: top-predator effects on Californian nearshore fisheries, NSF CAMEO, total/personal: \$565K/\$40K	2010-2012
North Pacific Marine Science Organization (PICES) conference travel grant, \$1,500	2010
UCLA Western Society of Naturalists conference travel grant, \$248	2006
Western Society of Naturalists Student Travel Award, \$50	2005
NOAA National Undersea Research Program, \$12,275	2005
UCLA Ecological Society of America conference travel grant, \$500	2005
UCLA Holmes-Miller Fellowship, \$5,000	2004
Sigma Xi Grants-in-Aid of Research, \$729	2004
UCLA 10 <sup>th</sup> International Coral Reef Symposium travel grant, \$450	2004
NOAA National Undersea Research Program, \$6,930	2003
American Museum of Natural History, \$1,500	2003
International Women's Fishing Association, \$500	2003
UCLA Western Society of Naturalists conference travel grant, \$200	2002
American Society of Ichthyologists and Herpetologists, \$500	2001
International Women's Fishing Association, \$500	2001

## PRESENTATIONS

### *Invited seminars and oral presentations*

NOAA Geophysics Fluid Dynamics Lab	2015
Universidad de Bogotá Jorge Tadeo Lozano	2013
Universidad de Los Andes	2013
American Association for the Advancement of Science	2012
Puget Sound Institute	2012
Ecological Society of America Annual Meeting	2012, 2010
Scripps Institute of Oceanography	2011
International Marine Conservation Congress	2011
Moss Landing Marine Laboratories	2010

University of Washington, School of Aquatic and Fisheries Sciences	2010
University of North Carolina, Department of Marine Sciences	2010
University of North Carolina, Institute of Marine Sciences	2010
Puget Sound Georgia Basin Ecosystem Conference	2009
Coastal and Estuarine Research Federation Conference	2009

*Contributed oral presentations*

American Fisheries Society	2015
International Marine Conservation Congress	2009, 2014
Salish Sea Ecosystem Conference	2014
PICES Annual Meeting	2011-2012, 2014
PICES FUTURE Open Science Meeting	2014
Northwest Fisheries Science Center Science Symposium	2012, 2014
Western Society of Naturalists	2003, 2005-2011, 2013-2014
ICES-PICES Early Career Conference: Oceans of Change	2012
North Pacific Marine Science Organization (PICES)	2011-2012
Climate Change Effects on Fish and Fisheries	2010
Ecopath 25 years	2009
International Coral Reef Symposium	2004, 2008
Ecological Society of America	2005, 2007
Benthic Ecology Meeting	2006

*Poster presentations*

Puget Sound Marine Environmental Modeling Symposium	2009
Northwest Fisheries Science Symposium	2009
Puget Sound Georgia Basin Ecosystem Conference	2009
Western Society of Naturalists	2002
Toxic Substances Research and Teaching Program Research Symposium	2002
Benthic Ecology Meeting	2001
International Coral Reef Symposium	2000, 2008

*Guest lectures for undergraduate and graduate courses*

Scripps Institute of Oceanography	2012
University of Washington, School of Aquatic and Fisheries Sciences	2011
Florida State University Coastal and Marine Laboratory	2010
University of California Santa Barbara	2008
California Lutheran University	2007

## SYNERGISTIC ACTIVITIES

- Ocean Tipping Points project co-PI, <http://www.oceantippingpoints.org/>
- Student committees: Jason Helyer, MSc University of Washington (2013-present)
- Reviewer for *Aquatic Biology*, *Biological Conservation*, *Bioscience*, *Behaviour*, *Bulletin of Marine Science*, *Conservation Letters*, *Coral Reefs*, *Ecological Applications*, *Ecological Indicators*, *Fish and Fisheries*, *Fishery Bulletin*, *ICES J. Mar. Sci.*, *ICRS Proceedings*, *Journal of Bioeconomics*, *Journal of Fish Biology*, *Marine Biology*, *Marine Ecology Progress Series*, *Oecologia*, *PLOS One*, *Proceedings of the Royal Society of London B*, *Progress in Oceanography*.
- Member, North Pacific Marine Science Organization (PICES) working group 28 on ecosystem indicators of multiple stressors, 2011-2015.
- Participant, NCEAS working group on ecosystem health indicators, 2009-2011.

- Adviser to Puget Sound Partnership Indicator team.
- Undergraduate mentor to capstone students at University of Washington's Program on the Environment, 2012-2013.
- Undergraduate research mentor and supervisor to >40 students during my Ph.D.
- Invited panelist, Western Society of Naturalists Student Workshop, 2009.
- Participant, NCEAS ecosystem-based management science into policy workshop, 2009.
- Member, American Fisheries Society, Ecological Society of America, Society for Conservation Biology, Coastal and Estuarine Research Federation, International Coral Reef Society, Western Society of Naturalists.

### **PROFESSIONAL SERVICE**

Judge, Ecological Society of America Best Student Paper Competition	2010
Judge, Western Society of Naturalists Best Student Paper Competition	2008-2014
Docent, Hollister Ranch Conservancy Tidepool School	2006-2007
High school research mentor, UCSB	2006
Member, UCLA Graduate Student Recruitment Committee	2005-2006
Member, UCLA EEB Departmental Review Committee	2004
Member, UCLA EEB Graduate Support Strategic Planning Committee	2004
Undergraduate tutor, University of Rhode Island	2001

### **IMMIGRATION STATUS**

U.S. citizen